Agema Open Networking Platform AG9032V2

Designed as a high performance and high connectivity Switch, the Agema AG9032V2 offers scalable forwarding engine and Content Aware™ processing with 32 low latency 100GbE QSFP28 ports connectivity, all in a resilient 1RU package making it ideal for NextGen data center deployment.

The AG9032V2 is built with state of the art silicon and incorporates advanced power management features, user-defined oversubscription of ports and configured with 32 x 100GbE QSFP28 ports. The device is pre-loaded with ONIE (Open Network Install Environment) ready to support the customers choice of modular extensible Network Operating Systems (NOS) benefiting users to achieve future proof SDN/NFV capable solutions, network scalability, flexibility and cost effectiveness.
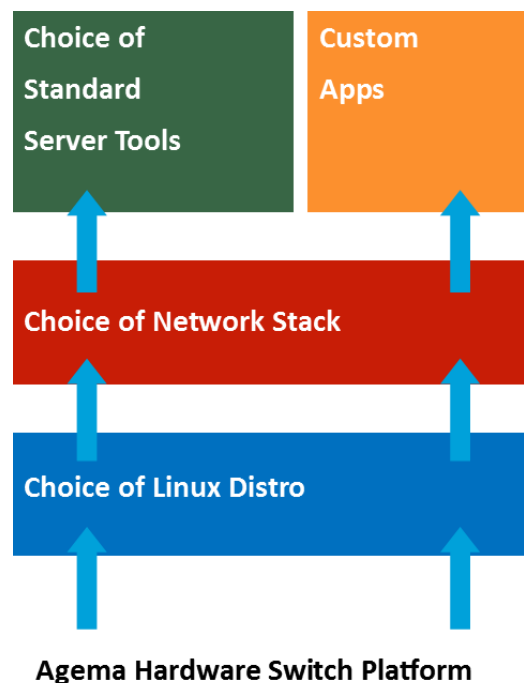
High Bandwidth

As bandwidth-intensive applications and virtualization continues to drive link utilization, networks are demanding switches with dense 10GbE, 40GbE and 100GbE connectivity at edge and aggregation layers. The AG9032V2 is designed to address performance, capacity and scalability requirements through flexible allocation of forwarding database to accommodate application demands, density and per port power efficiency, higher node counts and service requirements for NextGen Data center and distributed computing environments.

High Availability

The AG9032V2 has two slots for hot-swappable PSUs (Power Supply Units) and 5 fan trays. QSFP28 Transceiver modules can be easily removed and replaced with no interruption to the network. These hot-swappable modules guarantee the continued delivery of essential services.

Key Features

- 1RU high-density 32x40/100GE QSFP28 Spine/TOR

- Up to 3.2Tbps of switching I/O bandwidth and available non-blocking wire-speed switching fabric.

- Supports user-defined oversubscription of ports and flexible allocation of forwarding databases to meet demanding application needs.

Agema Hardware Switch Platform

Product Specification

Features

Ports
32x 40/100GbE QSFP28 ports
Support for 10G/25G Breakout Cables on 100G ports.
2 x 10GbE SFP+
1 x serial RJ45 console
1 x USB 2.0 type-A port
1 x 10/100/1000M RJ45 OOB BMC Management port

Key Parts
Switching Chip: BCM56870 Trident 3
CPU Board:
Intel Denverton C3538
16GB DDR4 RAM
64GB SSD
16MB SPI-Flash (Boot)
BMC AST2520

Power Supplies & Fans
2 slots for Hot-swappable PSUs
5 slots for Hot-swappable FANs

Applicable PSU
AC to DC: 100 ~ 240 VAC 50/60 Hz
DC to DC: -48 ~ -60 VDC

Power consumption:
Max. 650 Watts

Physical and Environmental
Dimension (WxDxH):
438.5x460x43mm
Weight: 8.3 kg

Operating Temperature: 0 to 40
Operating Relative Humidity: 10 to 90% RH

Storage Temperature: -20 to 70
Storage Humidity: 5 to 95% RH

Open Software Environment
ONIE preloaded
Diagnostics software preloaded
Compatible with ONL
Compatible with SONiC

Performance (Subject to NOS)
Integrated Packet Buffer : 32 MB
MAC Address: Max 288K
Switch Fabric: 3.2Tbps
IPv4 host table size: 16K min/168K max.
IPv6 host table size: 8K min/100K max.
L2 Multicast Table: 16K
L3 multicast Groups: 16K
Support Jumbo frames up to 9KB
VLAN: 4K

Regulatory Compliance
Safety: EN 60950-1, UL 60950-1, CAN/CSA C22.2 No. 60950-1-07, IEC 60950-1

Emissions: AS/NZS CISPR 32: Class A, ICES-003, Issue Class A, EN55032: Class A, VCCI Class A, FCC CFR 47 Part 15, Subpart B Class A

Immunity: EN55024, EN 61000-3-2, EN 61000-3-3, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN61000-4-8, EN61000-4-11

EU RoHS Compliant

Warranty
Please visit agema.deltaww.com for the warranty terms and condition

Ordering Information:
AG9032 v2 (Single AC version)
AG9032 v2 DP (Dual AC version)
AG9032 v2-DC (Dual DC version)

Optional accessories:
AGPSU-650AC
AGPSU-800DC
AGFAN-06

About Delta

Delta, founded in 1971, is a global leader in power and thermal management solutions and a major player in several product segments such as industrial automation, displays, and networking. Its mission statement, "To provide innovative, clean and energy-efficient solutions for a better tomorrow," focuses on addressing key environmental issues such as global climate change. As an energy-saving solutions provider with core competencies in power electronics and innovative research and development, Delta's business domains include Power Electronics, Automation, and Infrastructure. Delta has 163 sales offices, 64 R&D centers and 39 manufacturing facilities worldwide.

Throughout its history, Delta has received many global awards and recognition for its business achievements, innovative technologies and dedication to corporate social responsibility. Since 2011, Delta has been selected as a member of the Dow Jones Sustainability™ World Index (DJSI World) for 7 consecutive years. In 2017, Delta was selected by CDP (formerly the Carbon Disclosure Project) for its Climate Change Leadership Level for the 2nd consecutive year.

More product information, please visit agema.deltaww.com or mail to AgemaSales@deltaww.com

To learn more about Delta, please visit www.deltaww.com